

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 09/743,677A  
Source: 1606  
Date Processed by STIC: 3-24-05

# ENTERED

RECEIVED

NOV 14 2005



## **TECH CENTER 1600/2900**

1600

**RAW SEQUENCE LISTING**  
**PATENT APPLICATION: US/09/743,647A**

DATE: 03/24/2005  
TIME: 14:41:45

Input Set : A:\Sequence Listing for J0205.70000US00.txt  
Output Set: N:\CRF4\03242005\I743647A.raw

5 <110> APPLICANT: PANGALOS, Menelas  
7 NEEFS, Jean-Marc  
9 PEETERS, Danielle  
13 <120> TITLE OF INVENTION: CLONING AND CHARACTERISATION OF NOVEL MAMMALIAN PEPTIDASES  
17 <130> FILE REFERENCE: J0205.70000US00  
21 <140> CURRENT APPLICATION NUMBER: US 09/743,647A  
23 <141> CURRENT FILING DATE: 2001-01-12  
27 <150> PRIOR APPLICATION NUMBER: GB 9815284.6  
29 <151> PRIOR FILING DATE: 1999-07-14  
33 <160> NUMBER OF SEQ ID NOS: 59  
37 <170> SOFTWARE: PatentIn version 3.0  
41 <210> SEQ ID NO: 1  
43 <211> LENGTH: 35  
45 <212> TYPE: DNA  
47 <213> ORGANISM: Artificial Sequence  
50 <220> FEATURE:  
52 <223> OTHER INFORMATION: Primer NAALID1S2  
55 <400> SEQUENCE: 1  
56 cccggatccg agatgtggat tctccttcac gaaac 35  
59 <210> SEQ ID NO: 2  
61 <211> LENGTH: 36  
63 <212> TYPE: DNA  
65 <213> ORGANISM: Artificial Sequence  
68 <220> FEATURE:  
70 <223> OTHER INFORMATION: Primer NAALD1AS2  
73 <400> SEQUENCE: 2  
74 cccctcgagt taggctactt cactcaaagt ctctgc 36  
77 <210> SEQ ID NO: 3  
79 <211> LENGTH: 40  
81 <212> TYPE: DNA  
83 <213> ORGANISM: Homo sapiens  
86 <220> FEATURE:  
88 <223> OTHER INFORMATION: Primer NAALD1-SDM-S1  
91 <400> SEQUENCE: 3  
92 ccctcagagt ggagcagctg ttgttcatga aattgtgagg 40  
95 <210> SEQ ID NO: 4  
97 <211> LENGTH: 40  
99 <212> TYPE: DNA  
101 <213> ORGANISM: Homo sapiens  
104 <220> FEATURE:  
106 <223> OTHER INFORMATION: Primer NAALD1-SDM-AS1  
109 <400> SEQUENCE: 4  
110 cctcacaaaatt tcataacaacaa cagctgctcc actctgaggg 40

(pg. 6)

(pg. 6)

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/743,647A

DATE: 03/24/2005

TIME: 14:41:45

Input Set : A:\Sequence Listing for J0205.70000US00.txt  
Output Set: N:\CRF4\03242005\I743647A.raw

113 <210> SEQ ID NO: 5  
115 <211> LENGTH: 24  
117 <212> TYPE: DNA  
119 <213> ORGANISM: Homo sapiens  
122 <220> FEATURE:  
124 <223> OTHER INFORMATION: Primer NAALD2S1  
127 <400> SEQUENCE: 5  
128 gttcttcaac aagctgcagg agcg 24  
131 <210> SEQ ID NO: 6  
133 <211> LENGTH: 32  
135 <212> TYPE: DNA  
137 <213> ORGANISM: Artificial Sequence  
140 <220> FEATURE:  
142 <223> OTHER INFORMATION: Primer NAALD2AS1 (XhoI)  
145 <400> SEQUENCE: 6  
146 cccctcgagc cggagtaaag ggagggctga ag 32  
149 <210> SEQ ID NO: 7  
151 <211> LENGTH: 24  
153 <212> TYPE: DNA  
155 <213> ORGANISM: Homo sapiens  
158 <220> FEATURE:  
160 <223> OTHER INFORMATION: Primer NAALD2S2  
163 <400> SEQUENCE: 7  
164 ggccgaccta gcatctacga caac 24  
167 <210> SEQ ID NO: 8  
169 <211> LENGTH: 31  
171 <212> TYPE: DNA  
173 <213> ORGANISM: Artificial Sequence  
176 <220> FEATURE:  
178 <223> OTHER INFORMATION: Primer NAALD2AS2 (XhoI)  
181 <400> SEQUENCE: 8  
182 cccctcgagt cccctcagag gtcagccaca g 31  
185 <210> SEQ ID NO: 9  
187 <211> LENGTH: 22  
189 <212> TYPE: DNA  
191 <213> ORGANISM: Homo sapiens  
194 <220> FEATURE:  
196 <223> OTHER INFORMATION: Primer NAALD2AS3  
199 <400> SEQUENCE: 9  
200 gcccggcaccc agagaaccca ag 22  
203 <210> SEQ ID NO: 10  
205 <211> LENGTH: 22  
207 <212> TYPE: DNA  
209 <213> ORGANISM: Homo sapiens  
212 <220> FEATURE:  
214 <223> OTHER INFORMATION: Primer NAALD2AS4  
217 <400> SEQUENCE: 10  
218 gctgcgggtt aagtaccgga tc 22  
221 <210> SEQ ID NO: 11

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/743,647A

DATE: 03/24/2005

TIME: 14:41:45

Input Set : A:\Sequence Listing for J0205.70000US00.txt  
Output Set: N:\CRF4\03242005\I743647A.raw

223 <211> LENGTH: 27  
225 <212> TYPE: DNA  
227 <213> ORGANISM: Artificial Sequence  
230 <220> FEATURE:  
232 <223> OTHER INFORMATION: Adaptor-primer AP1  
235 <400> SEQUENCE: 11  
236 ccatcctaat acgactcaact atagggc 27  
239 <210> SEQ ID NO: 12  
241 <211> LENGTH: 23  
243 <212> TYPE: DNA  
245 <213> ORGANISM: Artificial Sequence  
248 <220> FEATURE:  
250 <223> OTHER INFORMATION: Adaptor-primer AP2  
253 <400> SEQUENCE: 12  
254 actcaactata gggctcgagc ggc 23  
257 <210> SEQ ID NO: 13  
259 <211> LENGTH: 18  
261 <212> TYPE: DNA  
263 <213> ORGANISM: Artificial Sequence  
266 <220> FEATURE:  
268 <223> OTHER INFORMATION: Primer M13FOR  
271 <400> SEQUENCE: 13  
272 tgtaaaacga cggccagt 18  
275 <210> SEQ ID NO: 14  
277 <211> LENGTH: 18  
279 <212> TYPE: DNA  
281 <213> ORGANISM: Artificial Sequence  
284 <220> FEATURE:  
286 <223> OTHER INFORMATION: Primer M13REV  
289 <400> SEQUENCE: 14  
290 caggaaacag ctatgacc 18  
293 <210> SEQ ID NO: 15  
295 <211> LENGTH: 25  
297 <212> TYPE: DNA  
299 <213> ORGANISM: Homo sapiens  
302 <220> FEATURE:  
304 <223> OTHER INFORMATION: Primer NAALD2AS5  
307 <400> SEQUENCE: 15  
308 ctgcagcttg ttgaactttt ctgtg 25  
311 <210> SEQ ID NO: 16  
313 <211> LENGTH: 24  
315 <212> TYPE: DNA  
317 <213> ORGANISM: Homo sapiens  
320 <220> FEATURE:  
322 <223> OTHER INFORMATION: Primer NAALD2AS6  
325 <400> SEQUENCE: 16  
326 caaacacgat tgatctgcga ggac 24  
329 <210> SEQ ID NO: 17  
331 <211> LENGTH: 29

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/743,647A

DATE: 03/24/2005

TIME: 14:41:45

Input Set : A:\Sequence Listing for J0205.70000US00.txt  
 Output Set: N:\CRF4\03242005\I743647A.raw

```

333 <212> TYPE: DNA
335 <213> ORGANISM: Artificial Sequence
338 <220> FEATURE:
340 <223> OTHER INFORMATION: Primer NAALD2S4 (EcoRV)
343 <400> SEQUENCE: 17
344 cggatatccg caggatgcag tggacgaag 29
347 <210> SEQ ID NO: 18
349 <211> LENGTH: 26
351 <212> TYPE: DNA
353 <213> ORGANISM: Artificial Sequence
356 <220> FEATURE:
358 <223> OTHER INFORMATION: Primer NAALD2AS8 (MunI)
361 <400> SEQUENCE: 18
362 caaacacaat tgatctgcga ggacgc 26
365 <210> SEQ ID NO: 19
367 <211> LENGTH: 26
369 <212> TYPE: DNA
371 <213> ORGANISM: Artificial Sequence
374 <220> FEATURE:
376 <223> OTHER INFORMATION: Primer NAALD2S8 (MunI)
379 <400> SEQUENCE: 19
380 gcgtcctcg agatcaattg tgtttg 26
383 <210> SEQ ID NO: 20
385 <211> LENGTH: 25
387 <212> TYPE: DNA
389 <213> ORGANISM: Homo sapiens
392 <220> FEATURE:
394 <223> OTHER INFORMATION: Primer NAALD3AS1
397 <400> SEQUENCE: 20
398 ctttgatgat agcgacacaga agtgg 25
401 <210> SEQ ID NO: 21
403 <211> LENGTH: 21
405 <212> TYPE: DNA
407 <213> ORGANISM: Homo sapiens
410 <220> FEATURE:
412 <223> OTHER INFORMATION: Primer NAALD3AS2
415 <400> SEQUENCE: 21
416 gaaaaagatgc cagcgcagga c 21
419 <210> SEQ ID NO: 22
421 <211> LENGTH: 26
423 <212> TYPE: DNA
425 <213> ORGANISM: Homo sapiens
428 <220> FEATURE:
430 <223> OTHER INFORMATION: Primer NAALD4SP2
433 <400> SEQUENCE: 22
434 cgtcagagcc gcccttatcag attatc 26
437 <210> SEQ ID NO: 23
439 <211> LENGTH: 26
441 <212> TYPE: DNA

```

**RAW SEQUENCE LISTING**

PATENT APPLICATION: US/09/743,647A

DATE: 03/24/2005

TIME: 14:41:45

Input Set : A:\Sequence Listing for J0205.70000US00.txt  
 Output Set: N:\CRF4\03242005\I743647A.raw

```

443 <213> ORGANISM: Homo sapiens
446 <220> FEATURE:
448 <223> OTHER INFORMATION: Primer NAALD4AP4
451 <400> SEQUENCE: 23
452 gaggagttt ccaaagtgc agaccc                                26
455 <210> SEQ ID NO: 24
457 <211> LENGTH: 23
459 <212> TYPE: DNA
461 <213> ORGANISM: Homo sapiens
464 <220> FEATURE:
466 <223> OTHER INFORMATION: Primer NAALD1S3
469 <400> SEQUENCE: 24
470 gggaaacaaa caaattcagc ggc                                23
473 <210> SEQ ID NO: 25
475 <211> LENGTH: 28
477 <212> TYPE: DNA
479 <213> ORGANISM: Homo sapiens
482 <220> FEATURE:
484 <223> OTHER INFORMATION: Primer NAALD1AS3
487 <400> SEQUENCE: 25
488 gtcaaagtcc tggagtctct cactgaac                                28
491 <210> SEQ ID NO: 26
493 <211> LENGTH: 23
495 <212> TYPE: DNA
497 <213> ORGANISM: Homo sapiens
500 <220> FEATURE:
502 <223> OTHER INFORMATION: Primer NAALD2S7
505 <400> SEQUENCE: 26
506 gaccggagca agacttcagc cag                                23
509 <210> SEQ ID NO: 27
511 <211> LENGTH: 23
513 <212> TYPE: DNA
515 <213> ORGANISM: Homo sapiens
518 <220> FEATURE:
520 <223> OTHER INFORMATION: Primer NAALD2AS7
523 <400> SEQUENCE: 27
524 gtgttgatat gcgttggccc aag                                23
527 <210> SEQ ID NO: 28
529 <211> LENGTH: 31
531 <212> TYPE: DNA
533 <213> ORGANISM: Homo sapiens
536 <220> FEATURE:
538 <223> OTHER INFORMATION: Primer NAALD3S4
541 <400> SEQUENCE: 28
542 cactaagaat aagaaaacag ataagtacag c                                31
545 <210> SEQ ID NO: 29
547 <211> LENGTH: 33
549 <212> TYPE: DNA
551 <213> ORGANISM: Homo sapiens

```

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 03/24/2005  
PATENT APPLICATION: US/09/743,647A                    TIME: 14:41:46

Input Set : A:\Sequence Listing for J0205.70000US00.txt  
Output Set: N:\CRF4\03242005\I743647A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:34; N Pos. 315  
Seq#:35; Xaa Pos. 100

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/09/743,647A

DATE: 03/24/2005

TIME: 14:41:46

Input Set : A:\Sequence Listing for J0205.70000US00.txt  
Output Set: N:\CRF4\03242005\I743647A.raw

L:666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:300  
L:775 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:96